Refutation of neutrosophic lattices for negated adjectival phrases

We assume the method and apparatus of Meth8/VŁ4 where `T`autology is the designated *proof* value, `F` is contradiction, `N` is truthity (non-contingency), and `C` is falsity (contingency). The 16-valued truth table is row-major and horizontal.

LET pq A B;
~ Not; & And, binary set operator ∩; + Or, binary set operator $\cup^*$;
~(>)* Not Imply, $\leq_*$, that is, partial order as greater than or equal to as not less than.

We evaluate neutrosophic lattices for negated adjectival phrases from:

Smarandache, F.; Topal, S. (2018). A lattice theoretic look: a negated approach to adjectival (intersective, neutrosophic and private) phrases and more. vixra.org/pdf/1805.0028v1.pdf

Definition 3. We define a partial order $\leq_*$ on sets as the follow [sic]:

$A \leq_* B$ if $B = A \cup^* B$ (3.1.1)
$A \leq_* B$ if $A = A \cap B$ (3.2.1)

(q=(p+q))>~(p>q) ; `FTFF FTFF FTFF FTFF` (3.1.2)
(p=(p&q))>~(p>q) ; `FTFF FTFF FTFF FTFF` (3.2.2)

While Eqs. 3.1.2 and 3.2.2 are equivalent, they are *not* tautologous as definitions to commence the paper.

Consequently we stop there, evaluate no further, and conclude the premise is refuted of neutrosophic lattices for negated adjectival phrases.